

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/771,324	01/26/2001	Yuichiro Sasabe	450100-02951	6734

20999 7590 07/02/2004

FROMMER LAWRENCE & HAUG
745 FIFTH AVENUE- 10TH FL.
NEW YORK, NY 10151

EXAMINER

PARTHASARATHY, PRAMILA

ART UNIT

PAPER NUMBER

2136

DATE MAILED: 07/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/771,324

Applicant(s)

SASABE ET AL.

Examiner

Pramila Parthasarathy

Art Unit

2136

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 June 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is in response to the communication filed on 06/04/2002. Claims 1 – 12 were received for consideration. No preliminary amendments to the claims were filed. Claims 1 – 12 are currently being considered.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1, 4, 7 and 10 are rejected under 35 U.S.C. 102(e) as being anticipated by Min-Jae (Patent Number 6,222,807).

Regarding Claim 1, Min-Jae teaches and describes an authentication device (Fig. 2-4, 11 and Column 3 lines 35 – 60) comprising:
an input means for entering operation pattern information corresponding to the predetermined operation of operation key (Column 3 lines 35 – 60; Column 6 line 60 – Column 7 line 28 and Column 8 line 64 – Column 9 line 59); and

a control means for authenticating only when said operation pattern information entered by said input means agree with the registered operation pattern information registered in the predetermined memory means in advance and for executing the predetermined processing (Column 3 lines 35 – 59; Column 12 line 58 – Column 13 line 11 and Column 25 lines 8 – 24).

Regarding Claim 4, Min-Jae teaches and describes an authentication method (Fig. 2-4, 11 and Column 3 lines 35 – 60) comprising:

an input step for entering operation pattern information corresponding to the predetermined operation of operation key (Column 3 lines 35 – 60; Column 6 line 60 – Column 7 line 28 and Column 8 line 64 – Column 9 line 59); and

a processing executing step for authenticating only when said operation pattern information entered by said input means agree with the registered operation predetermined memory pattern information in the means in advance and for executing the predetermined processing (Column 3 lines 35 – 59; Column 12 line 58 – Column 13 line 11 and Column 25 lines 8 – 24).

Regarding Claim 7, Min-Jae teaches and describes a program storage medium for making an information processing device execute the program (Fig. 2-4, 11 and Column 3 lines 35 – 60) comprising:

an input step for entering operation pattern information according to the operation of predetermined operation key (Column 3 lines 35 – 60; Column 6 line 60 – Column 7 line 28 and Column 8 line 64 – Column 9 line 59); and

a processing executing step for authenticating only when said operation pattern information entered agrees with the registered operation pattern information registered in the memory means in advance and for executing the predetermined processing (Column 3 lines 35 – 59; Column 12 line 58 – Column 13 line 11 and Column 25 lines 8 – 24).

Regarding Claim 10, Min-Jae teaches and describes an information processing device (Fig. 2-4, 11 and Column 3 lines 35 – 60) comprising:

an input means for supplying input information according to the operation of the predetermined operation key (Column 3 lines 35 – 60; Column 6 line 60 – Column 7 line 28 and Column 8 line 64 – Column 9 line 59);

a display means for displaying the processing screen according to said input information (Column 8 lines 48 – Column 9 line 65); and

a display control means for concealing said processing screen when said input information is stopped one or more than the fixed time period and for displaying said processing screen again only when the operation pattern information according to the specific operation of said operation key entered via said input means agree with the registered in the predetermined memory means in advance (Column 3 lines 35 – 59;

Column 8 lines 48 – Column 9 line 65; Column 12 line 58 – Column 13 line 11 and
Column 25 lines 8 – 24).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all
obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 2, 3, 5, 6, 8, 9, 11 and 12 are rejected under 35 U.S.C. 103(a) as being
unpatentable over Min-Jae (Patent Number 6,222,807) in view of Haraguchi (Patent
Number: 6,597,279).

Claim 2 is rejected as applied above in rejecting claim 1. Furthermore, Min-Jae teaches and describes an authentication device (Fig. 2-4, 11 and Column 3 lines 35 – 60). Min-Jae does not explicitly disclose said operation key is a jog dial for conducting the rotation operation; and said operation pattern information is a rotation operation pattern information of said jog dial (Column 8 line 48 – Column 9 line 59). However, Haraguchi discloses a portable information terminal selecting from a plurality of selection items by the operation of a selection operating unit of a rotary dial type and set, wherein

said operation key is a jog dial for conducting the rotation operation (Fig. 1, 2; Column 1 line 9 – Column 2 line 66); and

said operation pattern information is a rotation operation pattern information of said jog dial (Column 4 lines 4 – 57).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of an information processing device with an input, display and control means for user authentication as taught by Min-Jae and a jog dial for selecting operation pattern information that is stored in the memory as taught by Haraguchi to provide operation key of jog dial type for the user to select stored operation pattern information. The motivation would have been to provide variety of operators as operation keys to be operated by the user for carrying out a variety of operations as suggested by Min-Jae.

Claim 5 is rejected as applied above in rejecting claim 4. Min-Jae teaches and describes an authentication method (Fig. 2-4, 11 and Column 3 lines 35 – 60). Min-Jae does not explicitly disclose said operation key is a jog dial for conducting the rotation operation; and said operation pattern information is a rotation operation pattern information of said jog dial (Column 8 line 48 – Column 9 line 59). However, Haraguchi discloses a portable information terminal selecting from a plurality of selection items by the operation of a selection operating unit of a rotary dial type and set, wherein

said operation key is a jog dial for conducting the rotation operation (Fig. 1, 2; Column 1 line 9 – Column 2 line 66); and

said operation pattern information is a rotation operation pattern information of said jog dial (Column 4 lines 4 – 57).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of an information processing device with an input, display and control means for user authentication as taught by Min-Jae and a jog dial for selecting operation pattern information that is stored in the memory as taught by Haraguchi to provide operation key of jog dial type for the user to select stored operation pattern information. The motivation would have been to provide variety of operators as operation keys to be operated by the user for carrying out a variety of operations as suggested by Min-Jae.

Claim 8 is rejected as applied above in rejecting claim 7. Min-Jae teaches and describes a program storage medium for making an information processing device execute the program (Fig. 2-4, 11 and Column 3 lines 35 – 60). Min-Jae does not explicitly disclose said operation key is a jog dial for conducting the rotation operation; and said operation pattern information is a rotation operation pattern information of said jog dial (Column 8 line 48 – Column 9 line 59). However, Haraguchi discloses a portable information terminal selecting from a plurality of selection items by the operation of a selection operating unit of a rotary dial type and set, wherein

said operation key is a jog dial for conducting the rotation operation (Fig. 1, 2; Column 1 line 9 – Column 2 line 66); and

said operation pattern information is a rotation operation pattern information of said jog dial (Column 4 lines 4 – 57).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of an information processing device with an input, display and control means for user authentication as taught by Min-Jae and a jog dial for selecting operation pattern information that is stored in the memory as taught by Haraguchi to provide operation key of jog dial type for the user to select stored operation pattern information. The motivation would have been to provide variety of operators as operation keys to be operated by the user for carrying out a variety of operations as suggested by Min-Jae.

Claim 11 is rejected as applied above in rejecting claim 10. Min-Jae teaches and describes an information processing device (Fig. 2-4, 11 and Column 3 lines 35 – 60). Min-Jae does not explicitly disclose said operation key is a jog dial for conducting the rotation operation; and said operation pattern information is a rotation operation pattern information of said jog dial (Column 8 line 48 – Column 9 line 59). However, Haraguchi discloses a portable information terminal selecting from a plurality of selection items by the operation of a selection operating unit of a rotary dial type and set, wherein

said operation key is a jog dial for conducting the rotation operation (Fig. 1, 2; Column 1 line 9 – Column 2 line 66); and

said operation pattern information is a rotation operation pattern information of said jog dial (Column 4 lines 4 – 57).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of an information processing device with an input, display and control means for user authentication as taught by Min-Jae and a jog dial for selecting operation pattern information that is stored in the memory as taught by Haraguchi to provide operation key of jog dial type for the user to select stored operation pattern information. The motivation would have been to provide variety of operators as operation keys to be operated by the user for carrying out a variety of operations as suggested by Min-Jae.

Claim 3 is rejected as applied above in rejecting claim 2. Furthermore, Min-Jae teaches and describes an authentication device (Fig. 2-4, 11 and Column 3 lines 35 – 60) comprising:

a display means for rotating and displaying the dial display unit displayed on the predetermined display screen according to said rotation operation of the jog dial (Column 4 line 4 – Column 6 line 41).

Claim 6 is rejected as applied above in rejecting claim 5. Min-Jae teaches and describes an authentication method (Fig. 2-4, 11 and Column 3 lines 35 – 60). Min-Jae, comprising

a display step for rotating and displaying the dial display unit displayed on the predetermined display screen according to said rotation operation of said jog dial (Column 4 line 4 – Column 6 line 41).

Claim 9 is rejected as applied above in rejecting claim 8. Min-Jae teaches and describes a program storage medium for making an information processing device execute the program (Fig. 2-4, 11 and Column 3 lines 35 – 60). comprising:

a display step for rotating and displaying the dial display unit on the predetermined display screen according to said rotation operation of said jog dial (Column 4 line 4 – Column 6 line 41).

Claim 12 is rejected as applied above in rejecting claim 11. Min-Jae teaches and describes an information processing device (Fig. 2-4, 11 and Column 3 lines 35 – 60), wherein said display means rotates the predetermined dial display unit according to said rotation operation of said jog dial and display (Column 4 line 4 – Column 6 line 41).

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Patarin et al. (Patent Number: 5,815,083) Process for entry of a confidential piece of information and associated terminal.

Choi et al. (Patent Number: 6,483,500) Computer System with jog dial function and the user interface scheme thereof.

Shibuya et al. (Publication Number: US 2001/0021976 A1) General-purpose computer and copyright management method for use therein.

5. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks, Washington, D.C. 20231 **or**
faxed to: (703) 872-9306 for all formal communications.


Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Fourth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pramila Parthasarathy whose telephone number is 703-305-8912. The examiner can normally be reached on 8:00a.m. To 5:00p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on 703-305-9648. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Pramila Parthasarathy
Patent Examiner
703-305-8912
June 21, 2004.


AYAZ SHEIKH
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100